

# JOSHUA PALAMUTTAM

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## SUMMARY

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As a results-driven Software Engineer, I have a solid track record in designing resilient systems—this includes creating external APIs, managing ETL pipelines, and developing machine learning code, where I leverage LLMs for enhanced solutions. I navigate the entire product development lifecycle with ease, ensuring seamless transitions from ideation to delivery. Consistently delivering high-quality code, my adaptability across various technologies empowers me to innovate effectively.

## EDUCATION

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**Rose-Hulman Institute of Technology**

**2015 - 2019**

Bachelor of Science in Computer Science

## EXPERIENCE

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**SeekOut**

**March 2021 - Present**

*Software Engineer → Software Engineer II → Senior Software Engineer, Bellevue, WA*

- Facilitated ETL pipeline transitions for multiple clients to Databricks, reducing errors from previous function app methods while integrating Delta tables for improved time series and business analytics data.
- Developed and maintained an external API, collaborating closely with partner companies to tailor solutions to their specific needs, thus enhancing data exchange efficiency.
- Engineered a robust notification system, leveraging Azure services like topics, subscriptions, web jobs, and functions, ensuring resilience and real-time communication.
- Contributed to the implementation of a natural language query system for enhanced index querying using LLMs, improving user interaction with the system.
- Collaborated on the design and development of a ranking machine learning algorithm within the system, optimizing data relevance and user experience.
- Collaborated with external vendors to ensure the development of customized APIs for our company, actively participating in contract negotiation processes. This involvement contributed to the seamless integration of their systems, enhancing overall efficiency.

**Counterpart**

**May 2020 - Present**

*Software Engineer, Fishers, IN*

- Independently architect the React frontend for a higher education financial funding tool for the Indiana state government
- Assist in the creation of a community service engagement tool for startup Donaide, using .Net MVC
- Develop new features and maintain a custom internal task management software for Keramida, and a custom software selling environmental reports, for ISRI using .Net MVC

**Kaiser Permanente Genetics**

**February 2020 - May 2020**

*Junior Dot Net Analyst, San Jose, CA*

- Research and development for .Net Core MVC, with SQL applications used by the Genetics Department
- Gather requirements while developing and supporting applications such as an Assay Management tool
- Occasionally created autonomous Batch Files, or Excel VBA scripts to aid Lab Technicians in their duties

**DMI**

**May 2019 - February 2020**

*Software Engineer, Indianapolis, IN*

- Develop a POC to optimize lot operations at a car auction site, using Angular, Node.js, AWS serverless, SQL
- Assisted in the development of a physics engine to simulate a transmission, for Allison Transmission, proprietary math was done using C++, passed to an Angular, .Net Core, SQL stack, using EF Core
- Built Microsoft Teams Chatbot for DMI, using LUIS an Azure Cognitive Service (NLP)
- All projects used Azure DevOps to adhere to SAFe agile practices, such as CI/CD, unit and integration testing

## SKILLS

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**Programming Languages**

C#, Python, Typescript, JavaScript, Java, SQL, HTML, CSS,

**Frameworks**

.Net core, .Net, React, Angular, Node.js, Spring, Entity Framework Core

**Tools**

Azure, AWS, GCP, Docker, Git, ChatGPT, LLM, Databricks

**Certifications**

AWS Cloud Practitioner, SAFe 4.6